

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2011 FIVE-YEAR CIP**

DEPARTMENT/DIVISION: Utilities/Electric Distribution	PROJECT NAME: Hwy 726 Rebuild - VDOT (PL # TBA)
PROJECT SCOPE: Relocate transmission/distribution poles for road improvements	
CURRENT SITUATION: Relocate 2.1 miles of transmission line with distribution underbuild for VDOT road project. Rebuild to be designed for two 556 ACSR distribution lines and one 795 ACSR transmission line constructed to 138 kV standards. This project is mandated by VDOT	
HOW WILL THE COMPLETED PROJECT AFFECT THE CURRENT LEVEL OF SERVICE?	
IS THE PROJECT THE RESULT OF A CITY INITIATED STUDY OR PLAN? IF SO, PLEASE PROVIDE DETAILS OF THE STUDY OR PLAN:	
OTHER COMMENTS:	

Source of Funding	Proj. to Date	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Current Revenues -							
Reprogrammed Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bonds	-	-	2,500,000	-	-	-	2,500,000
Other - Contribution-in-Aid	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 2,500,000

Project description by fiscal year:

Fiscal Year	Description
FY 2011	
FY 2012	Materials & construction
FY 2013	N/A
FY 2014	N/A
FY 2015	N/A

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2011 FIVE-YEAR CIP**

DEPARTMENT/DIVISION: Utilities/Electric Distribution	PROJECT NAME: Line Rebuilds and Reconductoring (PL # 60613)
PROJECT SCOPE: Reconductor or three-phasing of various line sections	
CURRENT SITUATION:	
HOW WILL THE COMPLETED PROJECT AFFECT THE CURRENT LEVEL OF SERVICE? Allow areas to be alternately fed or to support future growth.	
IS THE PROJECT MANDATED BY FEDERAL OR STATE REQUIREMENTS? IF SO, PLEASE PROVIDE DETAILS OF THE MANDATE: No	
IS THE PROJECT THE RESULT OF A CITY INITIATED STUDY OR PLAN? IF SO, PLEASE PROVIDE DETAILS OF THE STUDY OR PLAN: 2001 Duke Engineering Study and internal 2007 internal Planning Study.	
OTHER COMMENTS: This project consists of eleven independent subprojects. Each of the subprojects is necessary to either remedy loading or service problems.	

Source of Funding	Proj. to Date	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Current Revenues - Reprogrammed Funds	\$ 1,126,650	\$ -	\$ 790,000	\$ 770,000	\$ 480,000	\$ -	\$ 3,166,650
Bonds-General Obligation	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	\$ 1,126,650	\$ -	\$ 790,000	\$ 770,000	\$ 480,000	\$ -	\$ 3,166,650

Project description by fiscal year:

Fiscal Year	Description
FY 2011	
FY 2012	Hwy 726 reconductor (2.5 mi. VDOT project accounted for in spearate project)
FY 2013	Hwy 841 three-phase (2 mi.), Wilkerson Rd three phase (1.25 mi.)
FY 2014	Holland Rd Reconductor (2 mi.)
FY 2015	N/A

**CITY OF DANVILLE
PROJECT DESCRIPTION
FY 2011 FIVE-YEAR CIP**

DEPARTMENT/DIVISION: Utilities/Electric Distribution	PROJECT NAME: Mega Park (PL # TBA)
PROJECT SCOPE: Construction of infrastructure to serve a proposed 3800 acre Industrial Park in the Southwest portion of our service territory. The recommended service package includes a 138 kV transmission line from Riverside Substation to the site as well as a 69 kV transmission line from West Fork Substation to the site. An on site substation with a 138 kV/69 kV/desired delivery voltage autotransformer and a 69 kV/desired delivery voltage transformer will be required.	
CURRENT SITUATION: The City of Danville and Pittsylvania County have partnered on a Mega Industrial Park located in the Southwest portion of our service territory. Service to this location requires a large buildout of necessary infrastructure to accommodate any sizeable load. Projected loads for the Mega Park Complex are in the 30 MVA to 60 MVA range. The most effective option would be to have a 138 kV line normally serve the site and have a 69 kV line serve as the alternate or backup source. The two sources would be independent. The 138 kV line would be routed from Riverside Substation to Schoolfield Substation to the site and terminate at a 138 kV autotransformer. The 69 kV line would be routed from West Fork Substation to the site and terminate at a 69 kV transformer. The service voltage could be taken anywhere from 12 kV to 69 kV.	
HOW WILL THE COMPLETED PROJECT AFFECT THE CURRENT LEVEL OF SERVICE? Economic Development Project	
IS THE PROJECT MANDATED BY FEDERAL OR STATE REQUIREMENTS? IF SO, PLEASE PROVIDE DETAILS OF THE MANDATE: No	
IS THE PROJECT THE RESULT OF A CITY INITIATED STUDY OR PLAN? IF SO, PLEASE PROVIDE DETAILS OF THE STUDY OR PLAN:	
OTHER COMMENTS: This project is contingent on the recruitment of a revenue producing client.	

Source of Funding	Proj. to Date	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Current Revenues -							
Reprogrammed Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bonds	-	-	6,000,000	15,000,000	-	-	21,000,000
Other	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ 6,000,000	\$ 15,000,000	\$ -	\$ -	\$ 21,000,000

Project description by fiscal year:

Fiscal Year	Description
FY 2011	N/A
FY 2012	Pre-engineering, survey, plan & profile, and easement acquisition
FY 2013	Continue project
FY 2014	N/A
FY 2015	N/A

**CITY OF DANVILLE
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FY 2011 FIVE-YEAR CIP**

DEPARTMENT/DIVISION: Utilities/Electric Distribution	PROJECT NAME: White Mill Location (PL # TBA)
PROJECT SCOPE: Extend 69 kV from Riverside Substation to site with a parallel 69/12 kV transformer installation to serve a 50 MW load.	
CURRENT SITUATION: The White Mill location was a part of the Dan River Mills Corp. formerly served by Appalachian Power Co. This location is basically an island in our service territory requiring new line construction at 69 kV coupled with construction of a new substation with two 69/12 kV station transformers.	
HOW WILL THE COMPLETED PROJECT AFFECT THE CURRENT LEVEL OF SERVICE?	
IS THE PROJECT MANDATED BY FEDERAL OR STATE REQUIREMENTS? IF SO, PLEASE PROVIDE DETAILS OF THE MANDATE: No	
IS THE PROJECT THE RESULT OF A CITY INITIATED STUDY OR PLAN? IF SO, PLEASE PROVIDE DETAILS OF THE STUDY OR PLAN:	
OTHER COMMENTS: This is an economic development project.	

Source of Funding	Proj. to Date	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Current Revenues - Reprogrammed Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bonds	-	-	4,200,000	-	-	-	4,200,000
Other - Contribution-in-Aid	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ 4,200,000	\$ -	\$ -	\$ -	\$ 4,200,000

Project description by fiscal year:

Fiscal Year	Description
FY 2011	N/A
FY 2012	Engineering, land acquisition, permitting, and material acquisition, construction
FY 2013	N/A
FY 2014	N/A
FY 2015	N/A